PERMIT Columbia County Building Permit 04/06/2009 DATE This Permit Must Be Prominently Posted on Premises During Construction 000027729 APPLICANT, CRAIG TIMBERLAKE **PHONE** 352 472-6850 **ADDRESS** 25370 **NW 8TH PLACE** NEWBERRY 32669 FL **HOWARD & JUANITA SINGLETON** 454-8285 OWNER PHONE ADDRESS 511 SE WATERLEAF DRIVE 32024 FL CARL HELMS CONTRACTOR PHONE LOCATION OF PROPERTY 41/441S,TL 18, TR WATERLEAF, 2 1/2 MILES TO SITE ON L. POOL ENCLOSURE ESTIMATED COST OF CONSTRUCTION 7800.00 TYPE DEVELOPMENT HEATED FLOOR AREA TOTAL AREA HEIGHT **STORIES** FOUNDATION WALLS **ROOF PITCH FLOOR** LAND USE & ZONING MAX. HEIGHT A-3 Minimum Set Back Requirments: STREET-FRONT 30.00 SIDE REAR 25.00 NO. EX.D.U. FLOOD ZONE N/A DEVELOPMENT PERMIT NO. PARCEL ID 24-6S-17-09769-006 SUBDIVISION LOT BLOCK **PHASE** UNIT TOTAL ACRES SCC056710 Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor EXISTING X09-087 CS LU & Zoning checked by Driveway Connection Septic Tank Number Approved for Issuance New Resident COMMENTS: NOC ON FILE 1827 Check # or Cash FOR BUILDING & ZONING DEPARTMENT ONLY (footer/Slab) Temporary Power Monolithic Foundation date/app. by date/app. by date/app. by Under slab rough-in plumbing Slab Sheathing/Nailing date/app. by date/app. by date/app. by Framing Insulation

date/app. by date/app. by Electrical rough-in Rough-in plumbing above slab and below wood floor date/app. by date/app. by Heat & Air Duct Peri. beam (Lintel) Pool date/app. by date/app. by date/app. by Permanent power C.O. Final Culvert date/app. by date/app. by date/app. by Pump pole Utility Pole M/H tie downs, blocking, electricity and plumbing date/app. by date/app. by date/app. by Reconnection Re-roof date/app. by date/app. by date/app. by 40.00 BUILDING PERMIT FEE \$ 0.00 CERTIFICATION FEE \$ SURCHARGE FEE \$ MISC. FEES \$ 0.00 **ZONING CERT. FEE \$** FIRE FEE \$ 0.00 WASTE FEE \$

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

FLOOD DEVELOPMENT FEE \$

INSPECTORS OFFICE

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

CULVERT FEE \$

CLERKS OFFICE

40.00

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

Columbia County Building Permit Application

			, , , , , , , , , , , , , , , , , , , ,	
For Office Use Only Application	#6903-62	Date Received 3/2	31/09 By 9 Permit #	27729
Zoning Official Open Date	te <u>4/3/09</u> Flood Z	one <u>MA</u> La	and Use <u>A-3</u> Zonin	g A-3
FEMA Map # Elevation	1MFE	River	Plans Examiner W	Date <u>4/2/09</u>
Comments				
NOC VEH t Deed or PA ✓ Sit				I-M
Dev Permit #				
IMPACT FEES: EMS	= TOTAL	Con	Road/Code	
Septic Permit No			Fax 352-472	
Name Authorized Person Signing P	ermit Craig Ti	mberlake	Phone 472-6	850
Address 25370 NW 9	. 1			
Owners Name Howard & J	VAMitA Sing	Leton	Phone	
911 Address <u>SII SE w</u>	ATECLEAF 1	AKE City F.	2	
Contractors Name LACL R	telms		Phone 352-86	0-2399 Lell
Address 25370 NW 9th	PL NewBerry	FL 3266	9	
Fee Simple Owner Name & Addres	s NA			
Bonding Co. Name & Address	NA			
Architect/Engineer Name & Addre	ess LAWFANCE BEN	WETT P.O. B.	op 2/4368, 5 DAY	tonA FL 32121
Mortgage Lenders Name & Addres	ss_ <i>ne/A</i>			
Circle the correct power company	8		14	
Property ID Number 24-65-17-0	9769-006	Estimated C	ost of Construction 7	800.
Subdivision Name			Lot Block Unit	Phase
Driving Directions 441 South	T/2 on CR 18	TIR on WATE	rleAF Or. (Just Be	Fore I75
over PASS) House on	Left #511			
4				
Do you need a - Culvert Permit or	Culvert Waiver or Ho	ave an Existina Driv	re Total Building Heig	ht 14 Top of Reof
Construction of <u>Pool Enclose</u> Do you need a - <u>Culvert Permit</u> or Actual Distance of Structure from Pr	anatulina Frant	295 27 1	6.06 side 2019	785 43
Number of Stories/ Heated Fl	oor Area	Total Floor Are	ea $\int d \Delta d \cdot 00$ Roof P	itch
Application is hereby made to obtainstallation has commenced prior to	the issuance of a pe		ork be performed to meet	the standards
of all laws regulating construction in Page 1 of 2 (Both Pages must be sui	4 minute - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		18+1 m	USS/4/UL Revised 1-10-08
ago i or a (Both r ages must be su	Jiiittea togetilei.j		W/CrAiG4,	2/09

Columbia County Building Permit Application

<u>TIME LIMITATIONS OF APPLICATION</u>: An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

<u>YOU ARE HEREBY NOTIFIED</u> as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

<u>WARNING TO OWNER:</u> YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will

be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.

Contractor's License Number SCL056710

Columbia County

Competency Card Number Competency Card Number 20 09.

Personally known or Produced Identification

SEAL:

State of Florida Notary Signature (For the Contractor)

ST	ATE OF FLORIDA,	COUNTY OF COLUMBIA	
IH		that the above and foregoing elpriginal filed in this office.	٦ ,
P. I	eWITT CASON,	ALECT OF COLUMN AND ALL MINES	
By	Luch	W Moore & Miss	
DY	0	Deputy Clark	
Da		33109 33 75	
Da			
	NOTICE OF	COMMENCEMENT COUNTY Inst 2009 12005221 Date: 3/31/2009 Time: 8:11 AM	
	This Instrument Prep	pared By: DOLLAR COUNT Vist 200912005221 Date:3/31/2009 Time:8:11 AM DC.P.DeWitt Cason,Columbia County Page 1 of 1 B:1170 P:602	
	Name:	The state of the s	
	Address:		
	Permit No:	09769-006 24-65-17-09769-006	
	STATE OF:	7	P)
	COUNTY OF: CO	olumbia	
	THE HADEBOICHE	TO LIFOCOV	
	Statutes, the followin	The HEREBY gives notice that improvement(s) will be made to certain real property, and in accordance with Chapter 713, Floridation is provided in this Notice of Commencement.	
	The control of the Co	BERROPERTY Street Address: 511 5F () ate - P(+ 1 aken 7 F)	2.11 200
	Legal Description:	24-65-17 9900/9900 14.6 Acres COM SE Car of EYzd	50,14, 12cm
	2. GENERAL DESC	CRIPTION OF IMPROVEMENTIS): Screen Enclosure N	,
	-		
	3. OWNER INFORM	MATION: a.) Name: 49ward of Juanita Sintestitless: 21612 NW 2146 Feat	ce, High Sprin
	b.) Interest in Propert	owner/denicite	FL32643
- 1		no der (if other than owner) Name: Address:	I THE SECTION IN
	4. CONTRACTOR: 8	a) Name: [Art R Helm5 Address: 25370 NW 8th PL b.) Phone: 352-472-6850	
	5. SURETY: a.) Nar	me: Address: NYA 32669	
- 1	b.) Amount of bond	c.) Phone:	
	6. LENDER: a.) Nan	me: VA b.) Phone: NA	
- 1	7. Persons within th	the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section	
	713.13(1)(a) 7., Florid	ida Statutes:	
- 1	a.) Name:	Address:	
	8. In addition to him	nself, Owner designates the following person(s) to receive a copy of Lienor's Notice as provided in Section 713.13(1)(b),	6
- 1	Florida Statutes. a.) Name:	VIA 10 mm ach	
		Address:b.) Phone:	
	9. Expiration date of	notice of commencement (the expiration date is one (1) year from the date of recording unless a different date is	
	specified.)	4/14	
	WARNING TO OWN	R: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE	
- 1	PAYING TWICE FOR	OPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON	
- 1	THE JOB SITE BEF	FORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH-YOUR LENDER OR AN	
- 1	ATTORNEY BEFORE	COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.	
		Howard Lingleton Howards Sureline	
		Signature of Owner or Owner's Authorized Officer/Director	
- 1		Partieum anager ,	
	383	Signatory's Title/ Office	
-	The foregoing instrur	ment was acknowledged before me this 22 day of November 200 Bear)	4
	by Howards	J Sm/eth Juan a Yhane of person) as	
1	trustee, attorney in fa	act) for (name of party on behalf of whom instrument was executed).	
1		0 0 0 0 0	
1	SALES VIEW	ELIZABETH A. CHUMLEY	
		MY COMMISSION # DD 660824 Signature of Notary Public – State of Florida	9
		EXPIRES: June 3, 2011 Print, Type, or Stamp Commissioned Name of Notary Public Commission Number:	
	The state of the s	Personally Known or Produced Identification	
	100	Verification Pursuant to Section 92.525, Florida Statutes	
	Under penalties of	perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and	
	belief.	Cordinate Parameter	
	*202	Signature of Natural Person Signing Above	
	- 1		

Columbia County Property

Appraiser
DB Last Updated: 3/5/2009

2009 Preliminary Values

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 24-6S-17-09769-006

Owner & Property Info

Owner's Name	SINGLETON H	IOWARD J & JUANITA R	ŧ.
Site Address			
Mailing Address	21612 NW 21 HIGH SPRING		
Use Desc. (code)	NO AG ACRE	(009900)	
Neighborhood	24617.00	Tax District	3
UD Codes	MKTA02	Market Area	02
Total Land Area	14.600 ACRES	5	
	COMM SE CO	R OF E1/2 OF SW1/4, R	RUN N 635.39

FT FOR POB, RUN W 1098.91 FT, NW 39 DEG 285.66 FT, W 50.04 FT, N 302.35 FT, E 1179.20

341, WD 999-1017, WD 1056-2704,

FT TO W R/W I-75, SE 17 DEG ALONG R/W 530.31 FT, S 21.20 FT TO POB. ORB 894-131, CT 981-

Search Result: 1 of 1





Property & Assessment Values

Mkt Land Value	cnt: (1)	\$74,898.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value	•	\$74,898.00

Just Value	\$74,898.00
Class Value	\$0.00
Assessed Value	\$74,898.00
Exempt Value	\$0.00
Total Taxable Value	\$74,898.00

Sales History

Description

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
8/31/2005	1056/2704	WD	V	Q		\$140,000.00
10/28/2003	999/1017	WD	V	Q		\$52,300.00
4/9/2003	981/341	СТ	V	U	01	\$100.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
			NONE			

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
			noil	NONE		

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
009900	AC NON-AG (MKT)	14.600 AC	1.00/1.00/1.00/1.00	\$5,130.00	\$74,898.00

Columbia County Property Appraiser

DB Last Updated: 3/5/2009

Timberlake Aluminum Construction

25370 NW 8th Place Newberry, FL 32669 (352) 472-6850 (352) 472-6855 (fax) timberlake2537@bellsouth.net www.timberlakealumlnum.com To: JOHN KERCE

Fax number: 386-758-2160

From: CRAIG TIMBERLAKE

Date: 4-02-09

Regarding: OK FROM LAWRENCE BENNETT

No. of Pages (Including cover): 2

Comments:

I WILL BRING ORIGANAL IN WHEN I PICK UP PERMIT IF THAT IS OK.

Lawrence E. Bennett, P.E.

315 Herbert Street Port Orange, FL 32129 386-767-4774 fax: 386-767-6556

January 1, 2009

TO ALL BUILDING DEPARTMENTS

Re:

Master File Engineering

"ALUMINUM STRUCTURES DESIGN MANUAL" 2004 Florida Building Code with 2006 Supplements

Dear Building Official/Plans Examiner:

This is to certify that the following contractor/company is hereby authorized to use my "ALUMINUM STRUCTURES DESIGN MANUAL" during the year 2009.

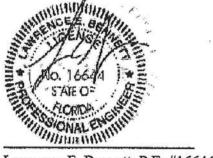
Authorization is on a January to January basis regardless of the edition of the manual. This authorization also applies to contractor master file drawings, "ONE PERMIT ONLY" drawings or any "site specific" drawings that I may furnish the contractor.

The following contractor/company is hereby added to my 2009 MASTERFILE LIST:

Carl Helms
Timberlake Aluminum Construction
25370 NW 8th Pl
Newberry, FL 32669
SCC056710

Should you have any questions, please contact me at your convenience.

Sincerely,



Lawrence E. Bennett, P.E. #16644

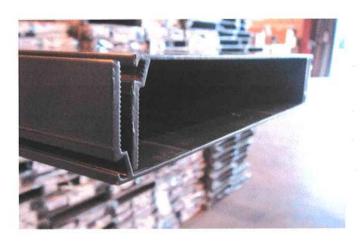


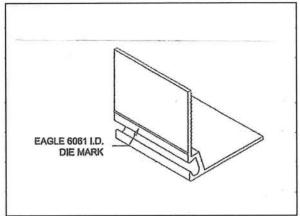
AGLE METAL DISTRIBUTORS, INC.

❖ THE FREEDOM OF CHOICE ❖



EAGLE 6061 ALLOY CERTIFICATION





Company Name:_	TIMBERLAKE ALUMINUM	Date: <u>03-26-09</u>

Eagle Invoice # __30805

Job Name __SINGLETON__
Address: __511 SE WATERLEAF

LAKE CITY FL.

This is to certify that the above company has purchased 6061 aluminum alloy material from our company for the construction of screen enclosures. The above pictures illustrate our 'raised' external identification mark (**AGLE 6061*) and its location next to the spline groove, to signify our 6061 alloy extrusions. Certification not valid unless die mark is verified. Eagle Metal Distributors certifies this based on specifications and validation provided by our extrusion suppliers, which states 6061 alloy was ordered and produced on all such designated profiles. Certification not valid without seal and signature from Eagle Metal Distributors, Inc. It is ultimately the purchaser's/contractors responsibility to

construction.

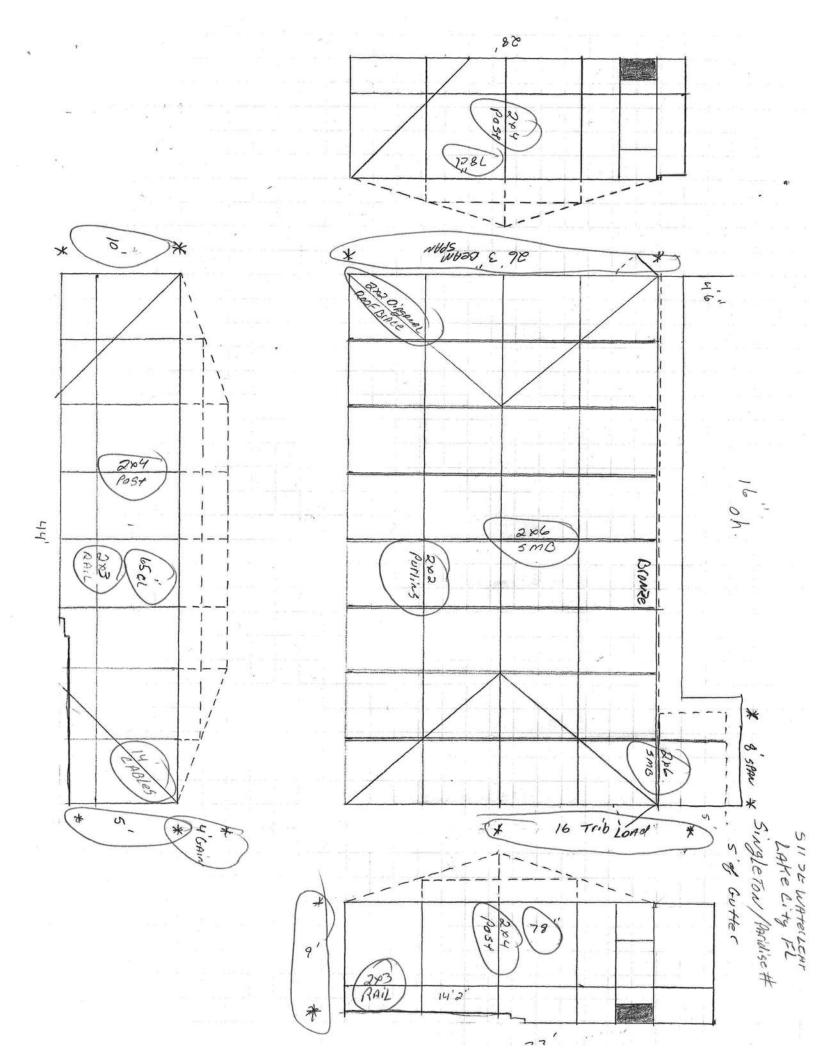
ensure the proper alloy is used in conjunction with the engineering selected for

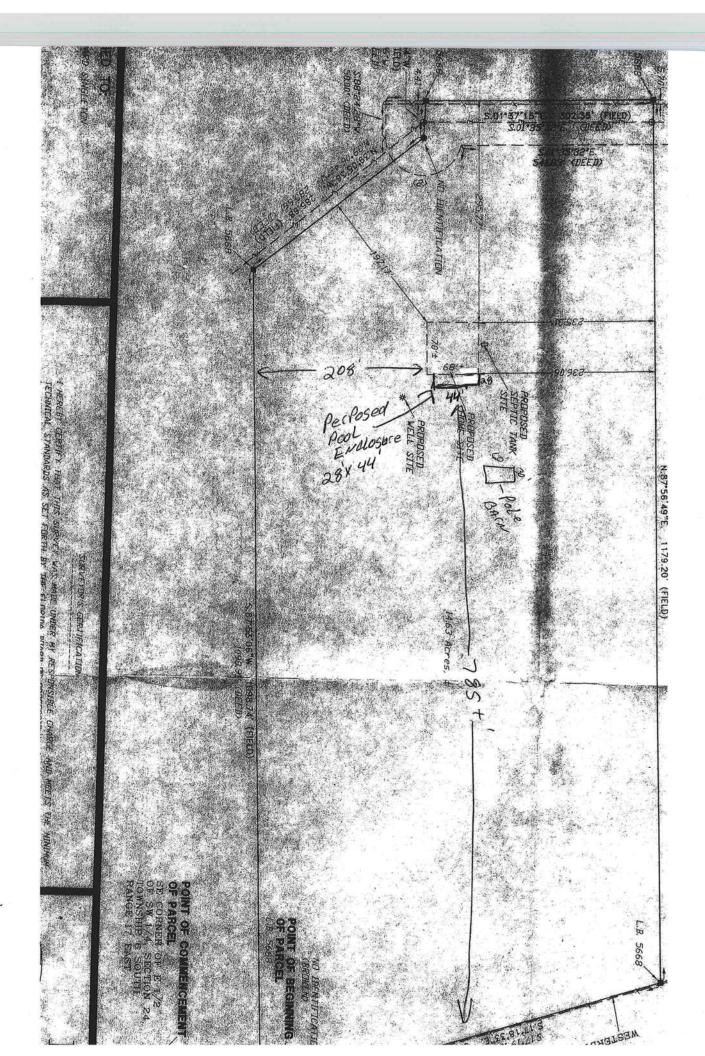
This certification should be displayed on site for final inspection.

Inspector can look for identification mark on all extrusion components as specified above to validate the use of 6061 engineering.

Signature: Eagle Rep. A Manual A Manual A

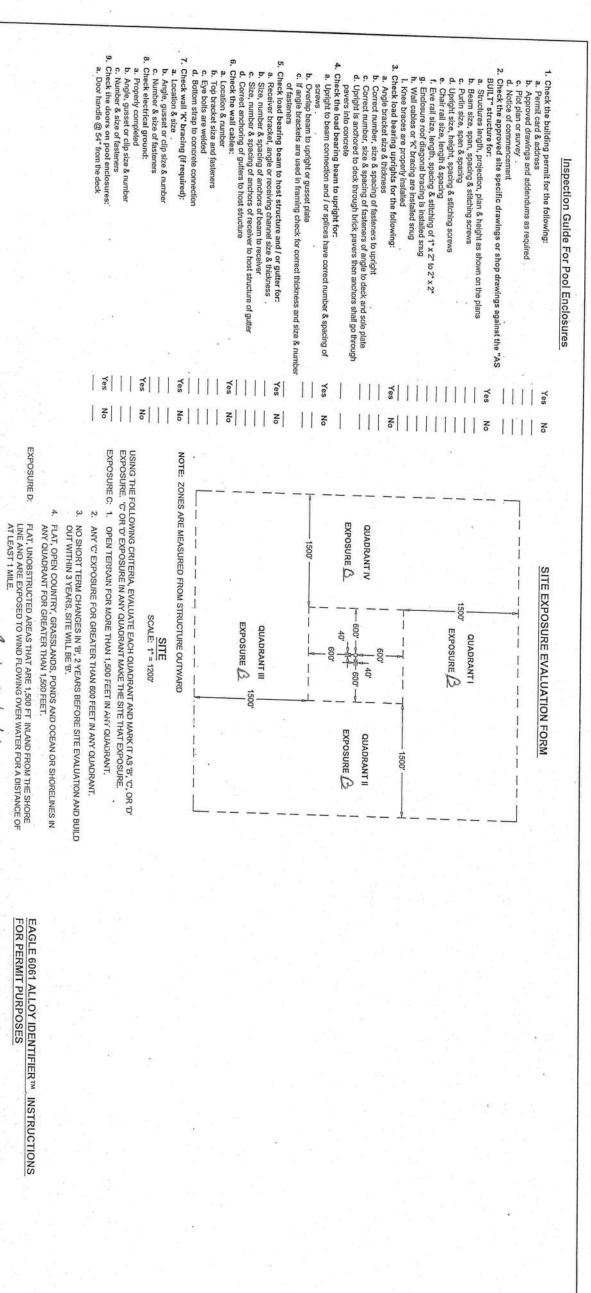
Seal:





	-			
3. Beem to beam 4. Chair reli, purlins, & kniee braces 5. Extruded gutter connections 6. Augle to deck and / or sole plate	0 0 77 70 7.	(Table 1.2 E.) 5. Chair rail & girt size, length, & spacing (Table 1.4 E) 6. Eave rail size, length, spacing and stitching of (Table 1.2 E) *Must have attended Engineer's Continuing Education Class within the past two years. Wall frame member allowable span conversions from 120 MPH wind zone, *B" Exposure to MPH wind zone and / or*C" or*D" Exposure for load width of*. Look up span in appropriate 120 MPH span table and apply the following formula: Span / Height	III. Building Permit Application Package contains the following: A. Project name & address on plans B. Site plan or survey with enclosure location C. Contractor's / Designer's name, address, phone number, & signature on plans D. Site exposure form completed E. Enclosure layout drawing @ 1/8" or 1/10" scale with the following: 1. Plan view with host structure, enclosure length, projection from host structure, and all dimensions 2. Front and side elevation views with all dimensions & heights Note: All mansactwall drawings shall include mansard panel at the top of the wall: 3. Bearm location (show in plan & elevation view) & size: (Table 1.1 & 1.5) Roof frame member allowable span conversions from 120 MPH wind zone, B' Exposure toMPH wind zone and / orC" orD" Exposure for load width of Note: Conversion factors do not apply to members subject to point load (P). Look up span in appropriate 120 MPH span table and apply the following formula: Span B' Exposure Multiplier Span / Height location (show in plan and conversions from 120 MPH because the plan of the structure of the season of the span of the location of locat	Design Check List for Pool Enclosures I. Design Statement: (EAGLE ALUMINUM 6061 T-6 FRAME MEMBERS) These plans have been designed in accordance with the Aluminum Structures Design Manual by Lawrence E. Bennett and are in compliance with the 2004 Florida Building Code Edition with 2006 Supplements, Chapter 20, ASM35 and The 2005 Aluminum Design Manual Part I-A & II-A; Exposure 19 Control of the MPH and 0.77 for 110 MPH and 0.77 for 110 MPH and higher; Negative II-P.C. 0.00; MPH Wind Zone for 3 second wind gust; Basic Wind Pressures as 19 Perssures are 19 PSF for roofs & 19 PSF for walls, (see page 1 for wind loads and design pressures) Notes: Wind velocity zones and exposure category is determined by local code. Design pressures and conversion multipliers are on page 1. II. Host Structure Adequacy Statement: I have inspected and verify that the host structure is in good repair and attachments made to the structure will be solid. Contractor Authorized Rep* Name (please print) Contractor Authorized Rep* Signature Date: 3 - 27 - 09 Contractor Authorized Rep* Signature Note: If the total of beam span & poright height exceeds for or winds thick exceeds.
	ghs	s within the past two years. I wind zone, "B" Exposure to of following formula: Required Converted Span / Height Capacity Yes No	ing: Yes No Signature on plans Signature on	Il Enclosures Il Enclosures Il E MEMBERS) Il Minum: Structures Design Manual by Jorda Bullding Code Edition with 2006 Design Manual Part I-A & II-A: Exposure IPH and 0.77 for 110 MPH and higher; 1 yest Basic Wind Pressure
	Total area / $(445 ft.^2$ / cable for $1/8^n$) = $\frac{2}{2}$ cable pairs Side wal! cable calculation: $\frac{330}{c} ft.^2 + \frac{66}{d} ft.^2 = \frac{396}{6} ft.^2 @ 100\% = \frac{396}{c} ft.^2$ Side wall area / $(233 ft.^2$ / cable for $3/32^n$) = $\frac{2}{2}$ cable(s) Sids wall area / $(4+5 ft.^2$ / cable for $1/8^n$) = $\frac{6}{2}$ cable(s)	Side wall area / (445 ft.² / cable for 1/8") = R R x W	Side wall area / $(445 \text{ ft.}^3 / \text{ cable for } 1/8") = \cable(s)$ Side wall area / $(445 \text{ ft.}^3 / \text{ cable for } 1/8") = \cable(s)$ FRONT FRONT WALL FRONT At =ft.^2 @ 100% =	7. Anchors go through pavers into concrete 8. Minimum footing and / or knee wall details 9. Cable or K- brace details Section 1 Wall area calculations for cables: W = wall width, H = wall height, R = rise W1 = width @ top of mansard, W2 = width @ top of wall E. Select footing from examples in manual. Example 1: Flat Roof Front wall @ eave: Th. x
	396 t.	440 n. 176 n. 183 n. 2		Yes No
DIE MARK	EAGLE 6061 LD	EAGLE 6061 ALLOY IDENTIFIER *** INSTRUCTIONS FOR PERMIT PURPOSES To: Plans Examiners and inspectors, These identification instructions are provided to contractors for permit purposes. The pictures below illustration our unique "raised" external identification mark (Eagle 6061 ***) and its location next to the spline groove, it signify our 6061 alloy extrusions. It is ultimately the purchaser's contractor's responsibility to ensure that a proper alloy is used in conjunction with the engineering selected for construction. We are providing this identification mark to simplify identification when using our 6061 Alloy products. A separate signed and sealed certification letter from Eagle Metals will be provided once the metal purchased. This should be displayed on site for review at final inspection. The inspector should look for the identification mark as specified below to validate the use of 6061 engineering.	ave: $\frac{ft.x}{W} = \frac{ft.a}{A} $	Example 4: Mansard Roof Front wall @ eave: $\frac{1}{W}$ x $\frac{1}{W}$ = $\frac{1}{W}$ @ 100% = Front mansard rise: $\frac{1}{W}$ x 1/2($\frac{1}{W}$ + $\frac{1}{W}$) = $\frac{1}{W}$ @ 100% = Largest side wall: $\frac{1}{W}$ x 1/2($\frac{1}{W}$ + $\frac{1}{W}$) = $\frac{1}{W}$ = 1
AUTHORIZED A	MASTER FILE CONTRACTORS DE	is the	で、これでは SPECIAL E PAIRED STANDARD	
N © COPYRIGHT	SHEET	Lawrence E. Bennett, P.E. FL # 16644 CIVIL & STRUCTURAL ENGINEERING P.O. Box 214388, South Daytona, Fl 32121 1 Jephone #: (386) 767-4774 Fax #: (386) 767-6556 Email: lebpe@bellsouth.net	ALUMINUM STRUCTURES DESIGN MANUAL SCREEN ENCLOSURES INSPECTION GUIDE / DESIGN CHECK LIST 2004 FBC W/ 2006 SUPPLEMENTS 2006 EDITION	AGLE METAL DISTRIBUTORS, INC. THE FREEDOM OF CHOICE \$ 603-B W. LAMINTREST ROAD, ORLANDO, PL 32824 TEL-407-367-0688 * FAX:407-367-0684

© COPYRIGHT 2006 NOT TO SE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF LAWRENCE E. BENNETT, P.E.



EAGLE 6061 I.D. DIE MARK A separate signed and sealed certification letter from Eagle Metals will be purchased. This should be displayed on site for review at final inspection. The inspector should look for the identification mark These identification instructions are provided to contractors for permit purpose our unique "raised" external identification mark (Eagle 6061 m) and its location signify our 6061 alloy extrusions. It is ultimately the purchaser's / contractor's To: Plans Examiners and Inspectors, roper alloy is used in conjunction with the engineering lentification mark to simplify identification when using o

AUTHORIZED MASTER FILE CONTRACTORS DO NOT REQUIRE RAISED SEAL COPIES - ALL OTHER USERS REQUIRE RAISED SEAL COPIES IF USING THESE EAGLE 6061 TABLES, PLEASE REFER TO INSTRUCTIONS ON IDENTIFICATION AND CERTIFICATION OF EAGLE METALS 6061 ALLOY.

SIGNATURE: Call and

SITE IS EXPOSURE:

6 EVALUATED BY: Linibed Alte DATE: 3-27-09

LICENSE #: 522056710

10-31-2007 N © COPYRIGHT 2006

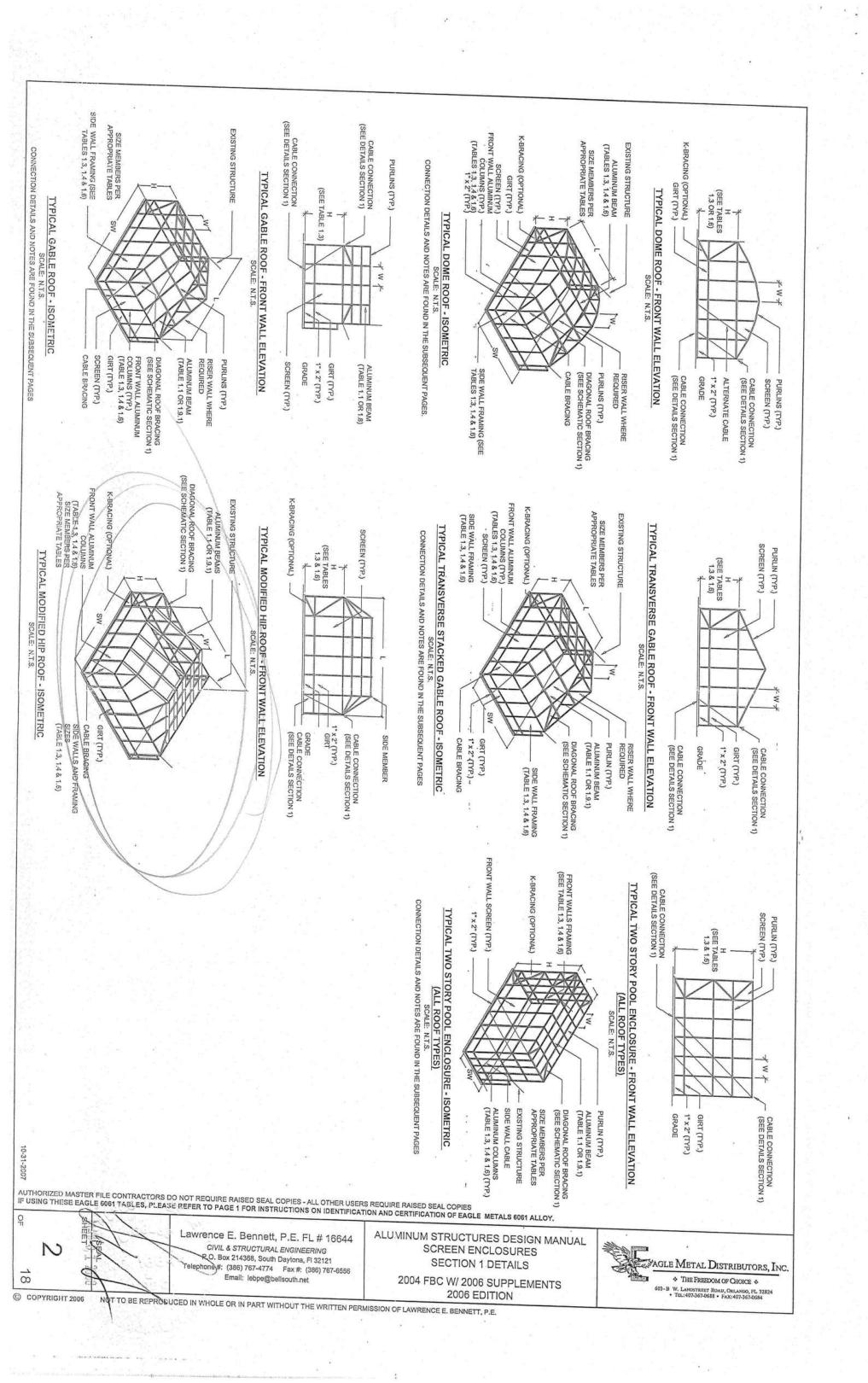
Lawrence E. Bennett, P.E. FL # 16644 CIVIL & STRUCTURAL ENGINEERING P.O. Box 214368, South Daytona, FI 32121 elephone #: (386) 767-4774 Fax #: (386) 767-6556 Email: lebpe@bellsouth.net

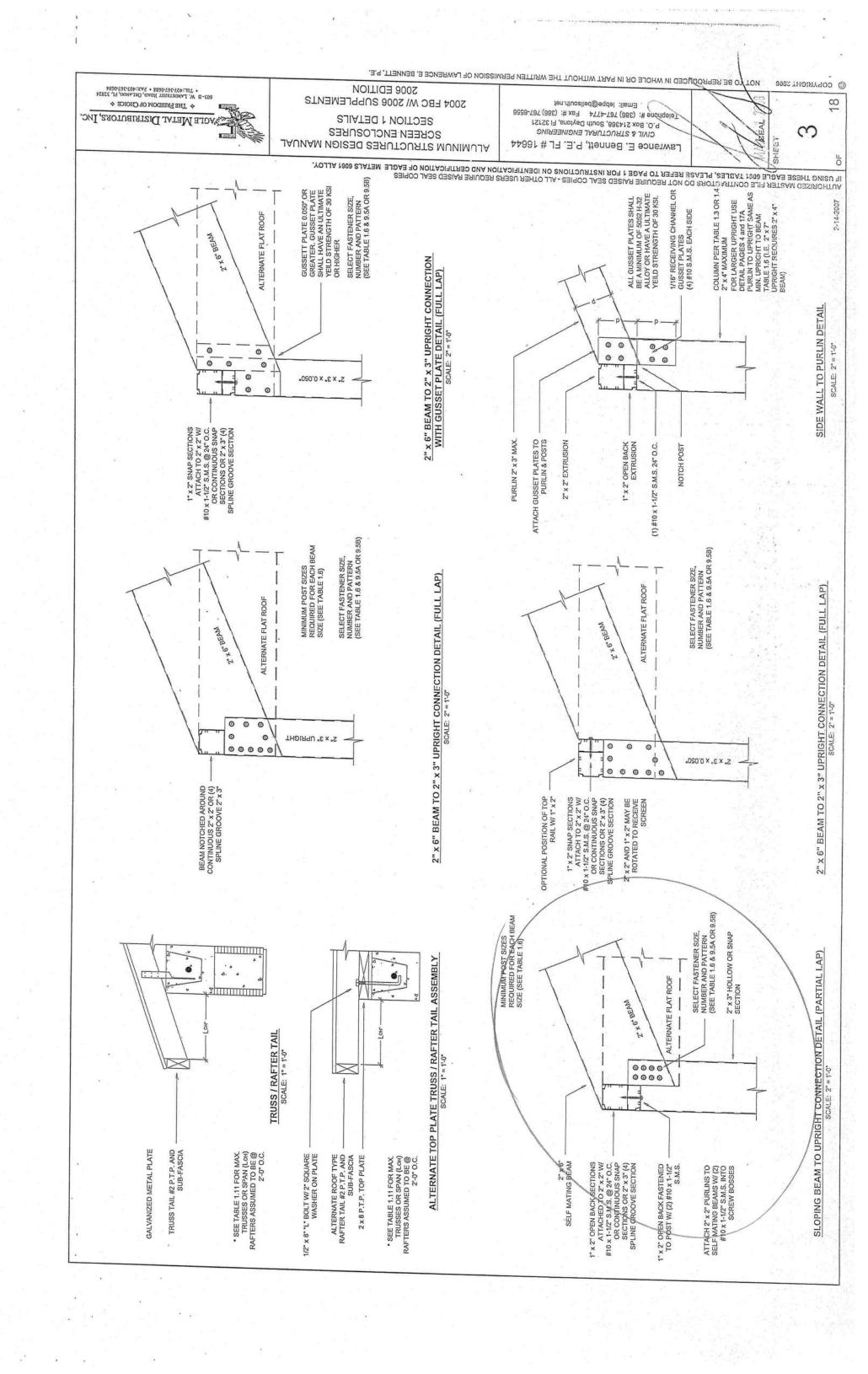
ALUMINUM STRUCTURES DESIGN MANUAL SCREEN ENCLOSURES INSPECTION GUIDE / DESIGN CHECK LIST 2004 FBC W/ 2006 SUPPLEMENTS

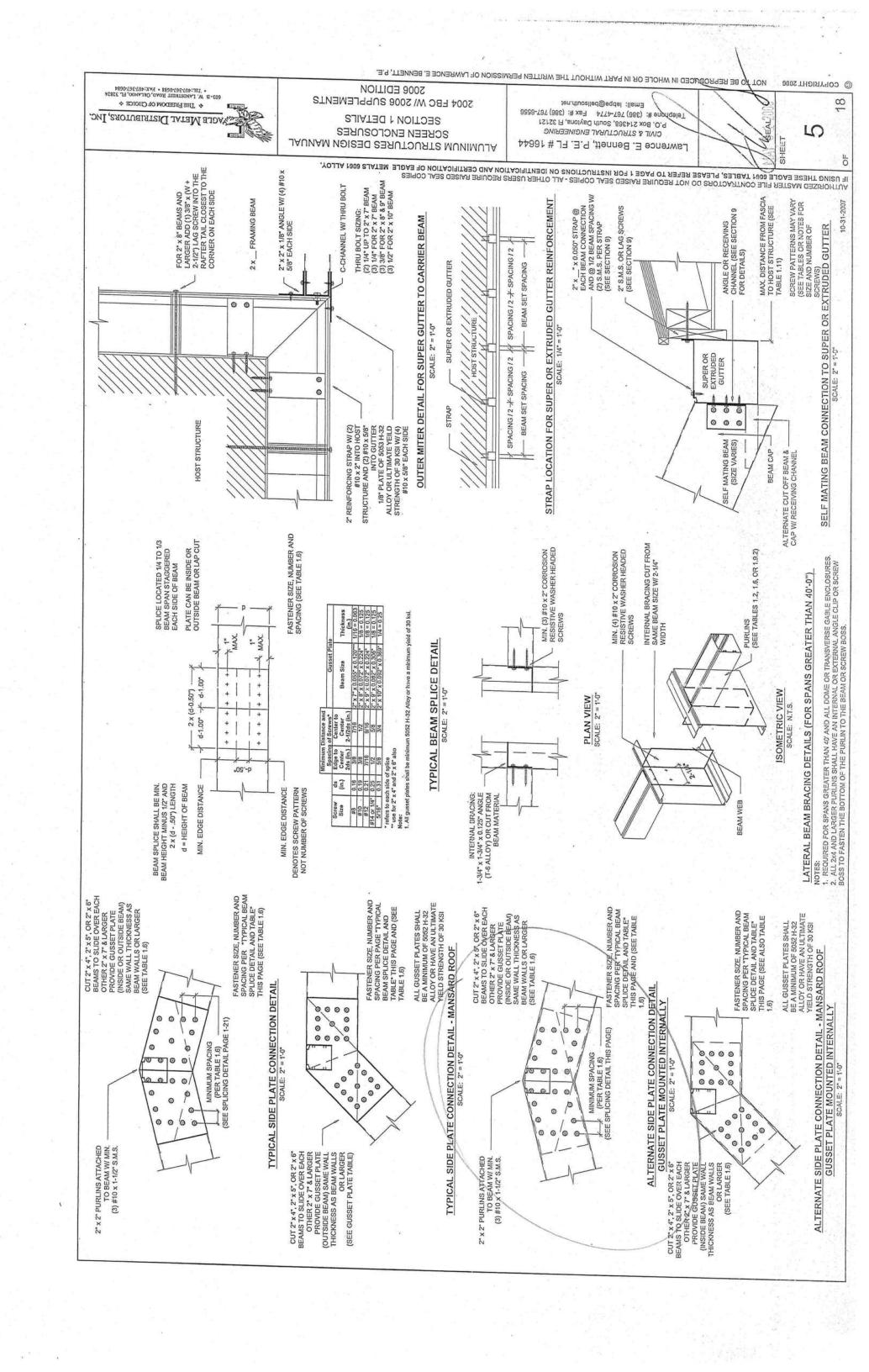
2006 EDITION

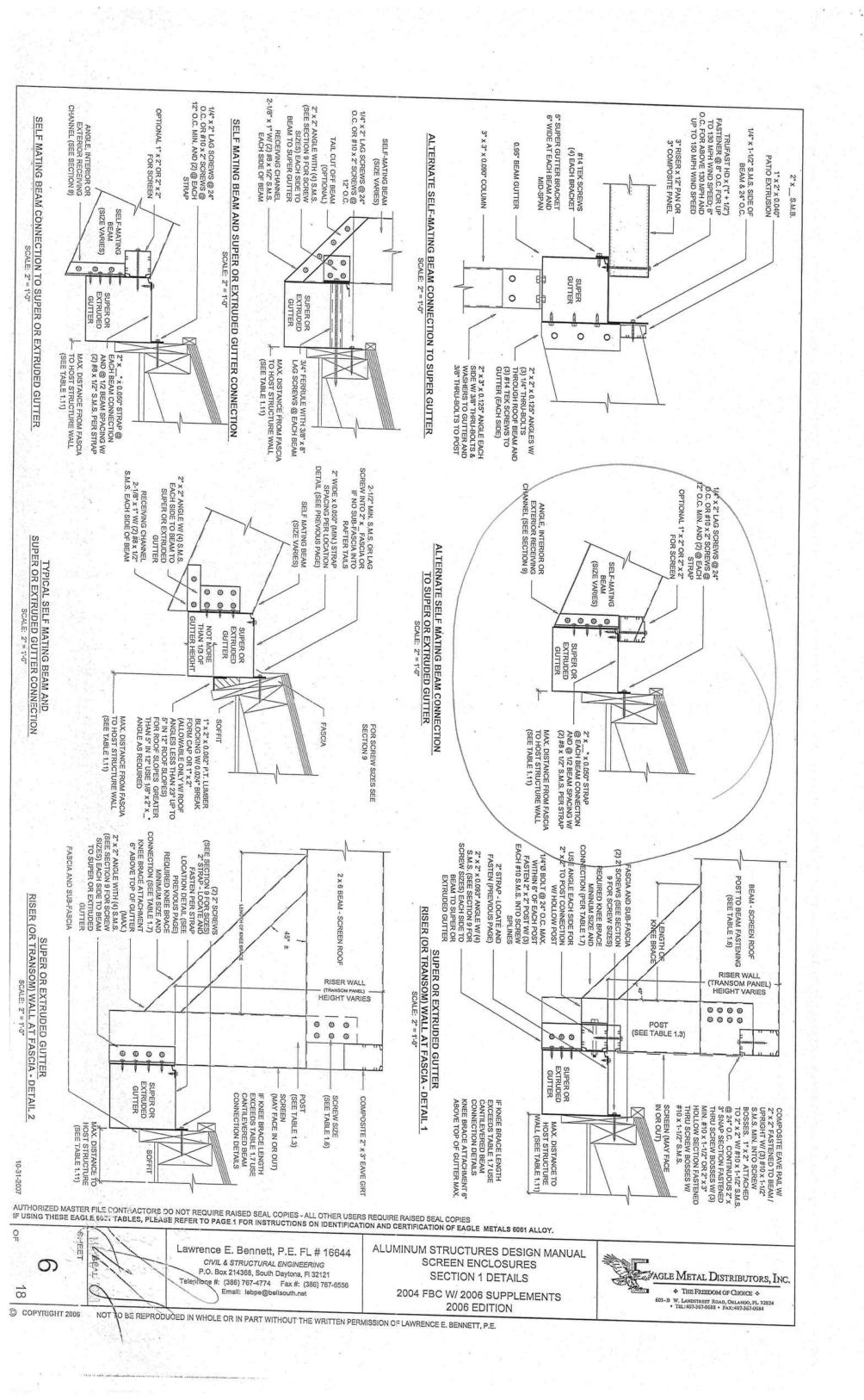


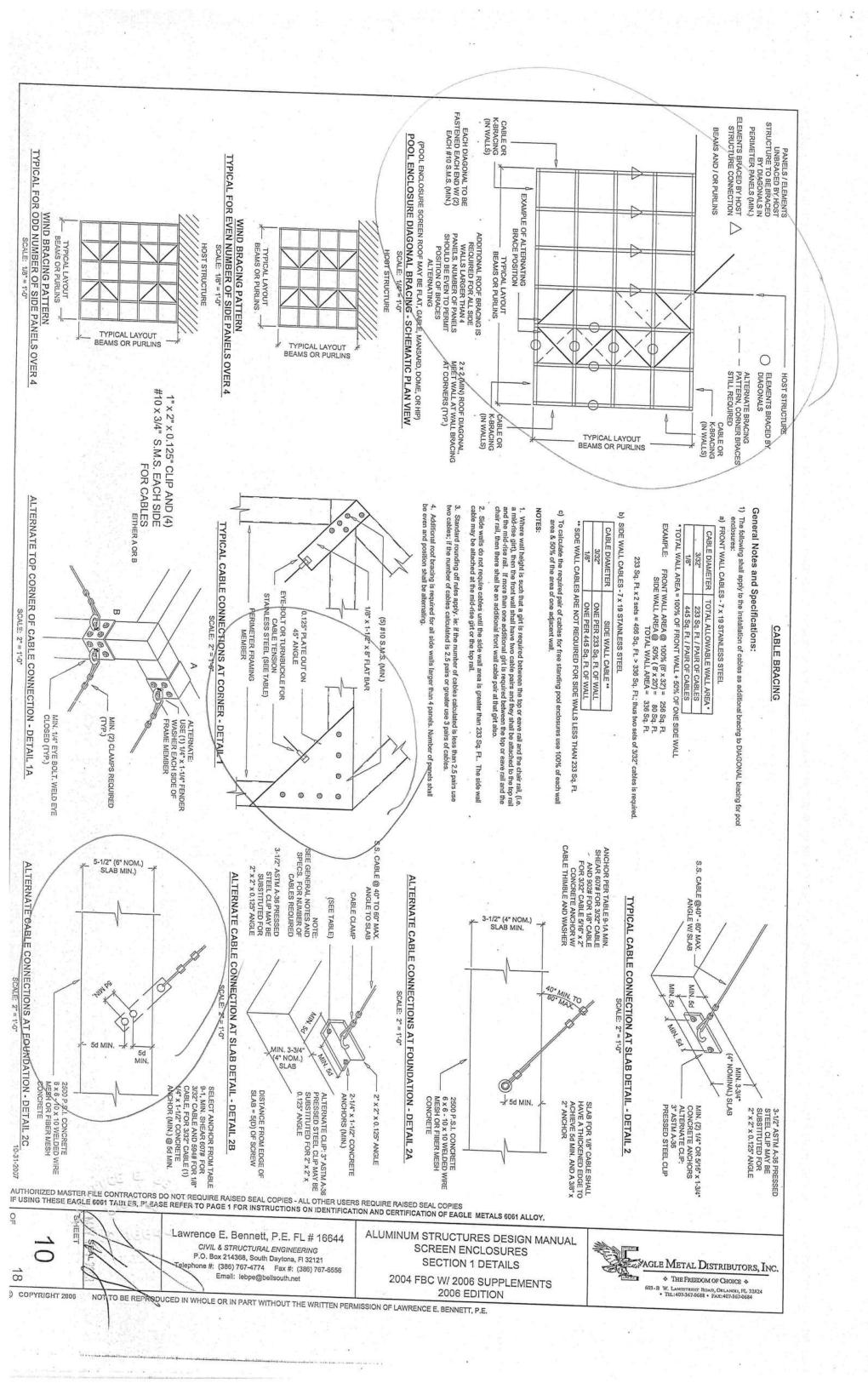
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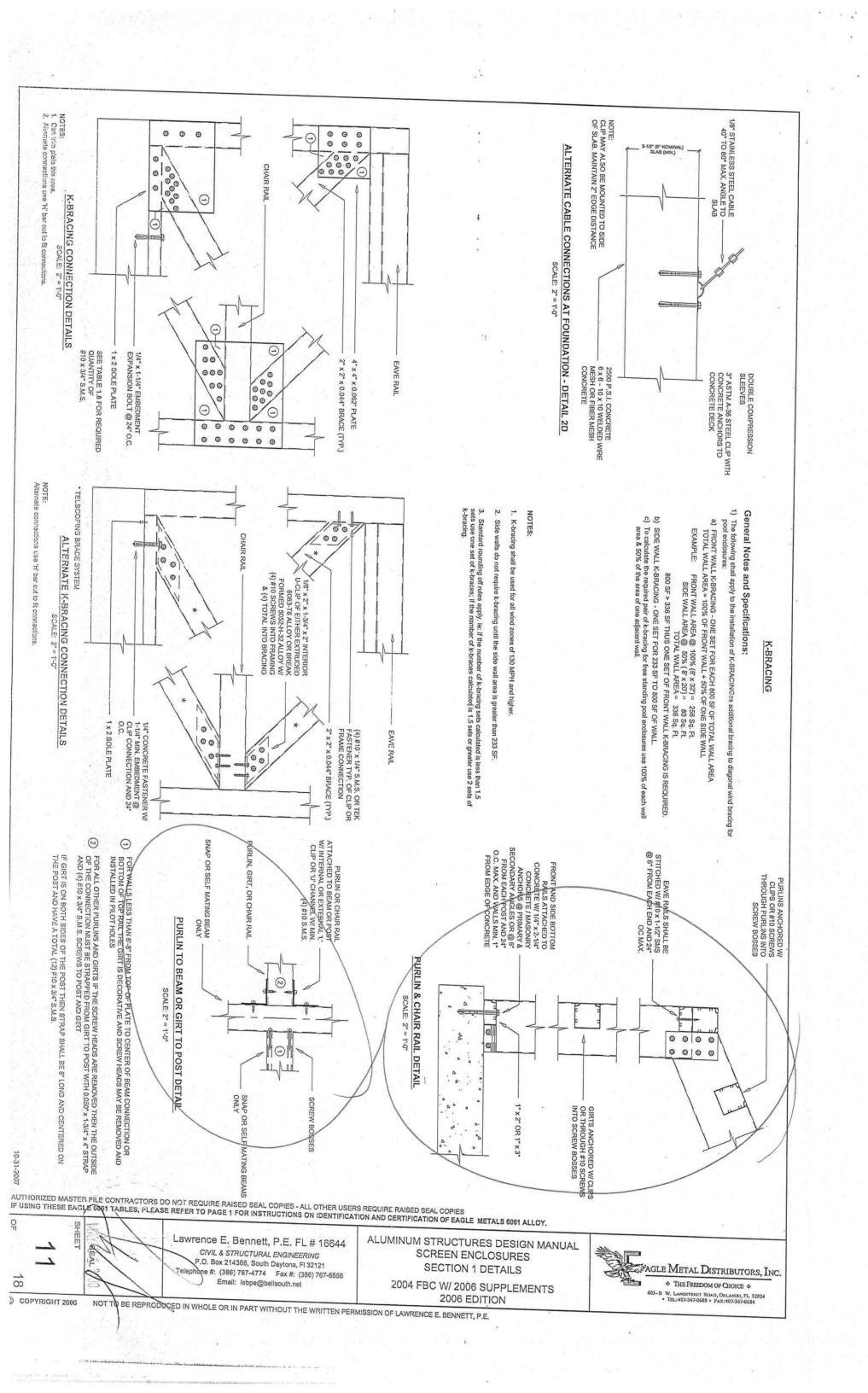


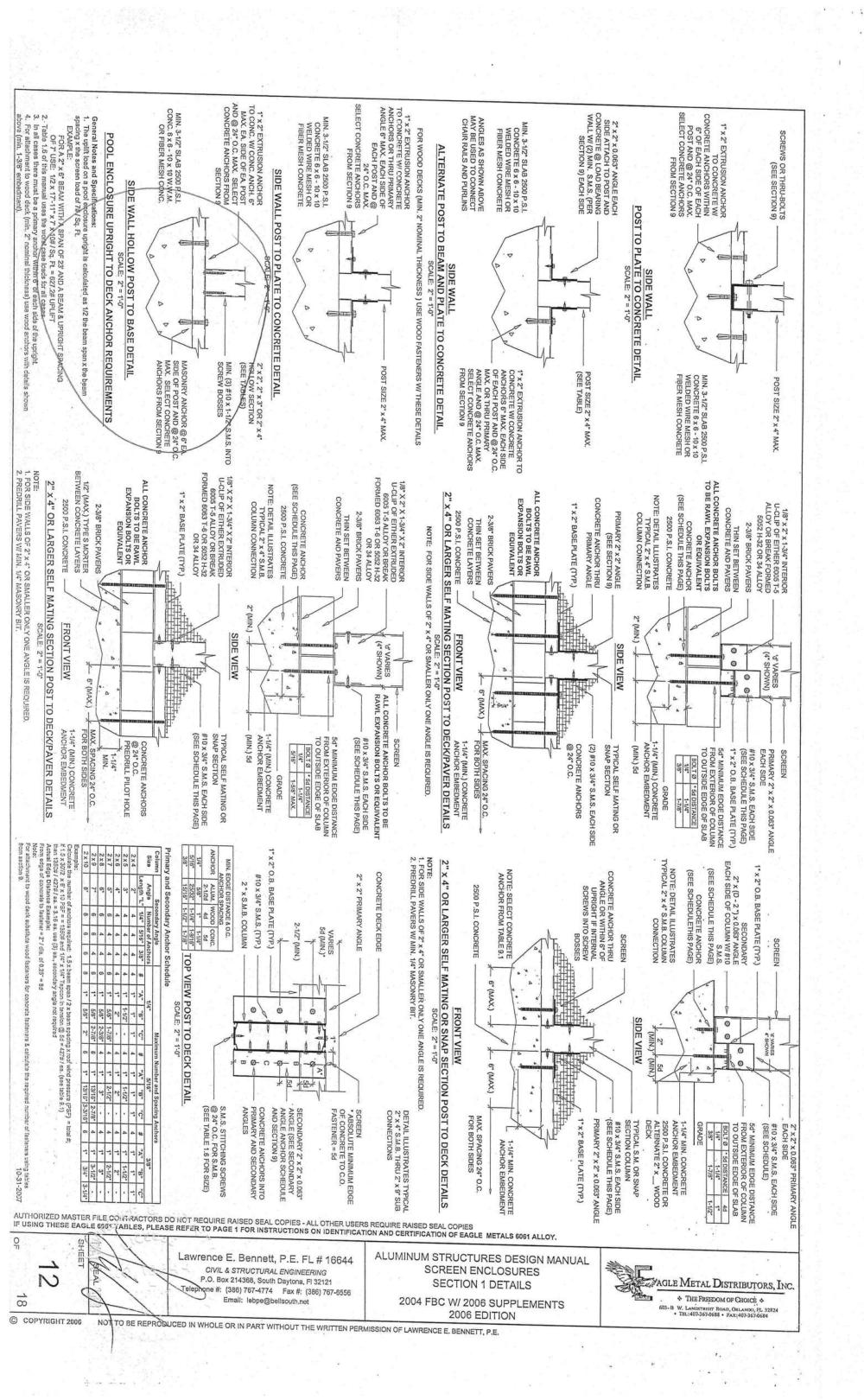


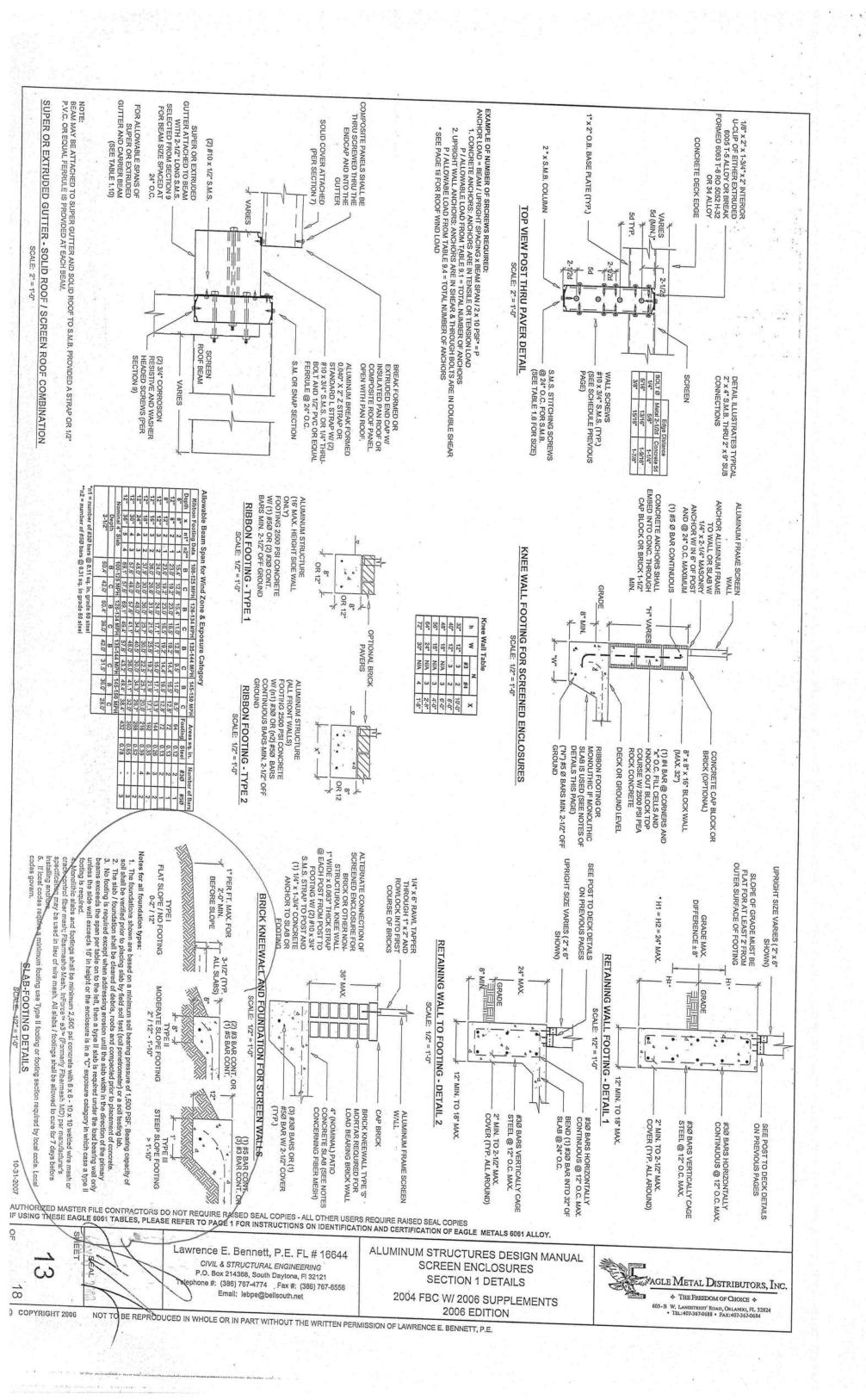












Screen

. Inuxnesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040". The structures designed using this section shall be limited to a maximum combined span and upright height of 50" and a seximum upright height of 16". Structures larger than these limits shall have site specific engineering. Span is measured from center of beam and upright connection. Above spans to not include length of knee brace. Add horizontal distance from upright to center of brace to beam momention to the slove spans for that beam spans.

Tables are based on a maximum wall height of 16" including a 4" max. mansard or gable. Other conditions may offer better ans withought and performance of the specific engineering. Soft Mating Sections 2-0" 4-0" | \$\(\cerc{C}_{\text{C}}\)\) | \$\(\cerc{C}_{\text{C}}\)\ | \$\(\cerc{ Self Mating Sections **Hollow Sections** Allowable Spans for Eagle Metal Distributors, Inc. for Primary Screen Roof Frame Members
Aluminum Alloy 6051 T-5 "B" and Latitudes Below 30*-30*-00" North (Jacksonville, FL) #ISF over (1) linear ft. is also considered

able 1.1 120 E

1. Thicknesses shown are "nominal" industry standard tolerances. No wall thicknesses shall be less than 0.040".

2. Using screen panel width "W select girt finights.

3. Site specific engineering required for pool enclosures over 30" in mean roof height.

4. Spankheight is to be measured from center of beam and upright connection to fascia or wall connection.

5. Chair rails of 2" x 2" x 0.044" min. and set @ 38" in height are designed to be residential gardrails provided they are attached with min. (3) #10.7 + 112" s.m.s. into the screw bosses and do not exceed 8"-0" o.c.

7. Max beam size for 2" x 2" is 2" x" x 0.055" x 0.120"

8. 2" x 4" 8.2" x 5" hollow grids shall be connected w// an internal or external 1-1/2" x 1-1/2" x 0.044" angle.

 Spansheights may be interpolated.
 To convert spans to 'C' and 'D' exposure categories see exposure multipliers and example on page 1-li. Table 1.10 120 E

6. Spans may be interpolated.
7. To convert spans for Cand 'D' exposure categories see exposure multipliers and example on page 1-ii. Table 1.2 120 E Allowable Spans for Eagle Metal Distributors, Inc. for Secondary Screen Roof Frame Members

Aluminum Alloy 6861 T-6

Fror 110 & 120 MPH Wind Zones, Exposure "B" and Latitudes Below 30*-30*-00" North (Jacksonville, FL)

Uniform Load = 4 #18F, a Point Load of 300 #18F over (1) linear ft. is also considered

Hollow Sections

Table 1.10 120 E Eagle Metal Distributors, Inc.
Allowable Spans for S' Super Gutter and Self Mating Beam
Screened Enclosure One Side/Solid Roof Other Side
Aluminum Alloy 6061 T-6
For Areas in Wind Zones of 110 and 120 M.P.H., Exposure "B" or Less and Laitudes Below 30°-30°-00" North
Uniform Load on Screen = 4 #ISE; Solid Roof = 27.4 #ISE
300# Point Load is Considered over (1) LF of Beam

1. If the solid panel is greater or less than 10°-0°, then the 1/2 the allowable screen roof beam span shell be adjusted by the screen roof panel width is applied as a plus if the solid roof panel is fare roof and with this applied as a plus if the solid roof panel is farger than 10°-0° and minus if the solid roof panel is sailer than 10°-0° and minus if the solid roof panel is 2. For span of 1°-0° for some beam length + 1/2 of solid roof span allowables. Load span = 10°-0° for solid roof span is 2. Spans may be interpolated.

Expans may be interpolated.

For minimum beam to upright sizes use Table 2.3.

To convert spans to 1°-0° for the solid roof span is 2.3.

1. Thicknesses shown are "nominal" industry standard tolerances. No wall thicknesses shall be less than 0.040".

2. Span is measured from center of beam and upright connection to facial or wall connection.

3. Tables are based on a maximum wall height of 16 including a 4 max, mansard or gable. Other conditions may offer spans w fenctesure site specific engineering.

2. X 4 & Z x 5 Hollow Gits shall be connected.

or 3 second wind gust at a velocity of 110 MPH, Exposure "B" or an applied load of 13 #/sq. ft.

| 3-0" | 4-0" | 5-0" | (6-0") | 7-0" | 8-0" | 9-0" |
| 7-5" | d 6-9" | d 7-1" | d 8-9" | d 8-9" | b 5-9" | b 5-

Hollow Sections

Z* x4* 8. Z* x5* Hollow Girts shall be connected w/ an internal or external 1-1/2* x 1-1/2* x 0.044* angle.
 To convert spans to "C* and "O" exposure categories see exposure multipliers and example on page 1-li.
 Allowable Post / Upright Heights for Eagle Métal Distributors, Inc. for Primary Screen Wall Frame Members
 Aluminum Alloy 6061 T-6

Table 1.4 110 E Eagle Metal Distributors, Inc.

Post / Girt / Chair Rall Spans, Header Spans & Upright Heights for Secondary Screen Wall Frame Members

Aluminum Alloy 869 T.6

For 3 second wind gust at a velocity of 110 MPH, Exposure "B" or an applied load of 13 #/ sq. ft.

A. Sections As Horizontals Fastened To Posts With Clips **Hollow Sections**

Hollow Sections

\$\frac{3.6\cappa}{4.0\cappa} \frac{4.0\cappa}{4.0\cappa} \frac{5.0\cappa}{5.0\cappa} \frac{5.0\cappa}{5.0\cappa} \frac{5.0\cappa}{5.0\cappa} \frac{6.0\cappa}{5.0\cappa} \

2" x 9" x 0.082" x 0.326" 2" x 9" x 0.070" x 0.204"

17:-7:

2" x 8" x 0.070" x 0.224" 2" x 7" x 0.055" x 0.120"

| 22-0" | 26-0" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3" | 30-3

4 4

2" x 6" x 0.050" x 0.120" 2"×5"×0.050"×0.116" 2" x 4" x 0.045 x 0.088" Single Single Self-Mating Beams

It is recommended that the engineer be consulted on any carrier beam that spans more than 50' Span is measured from center of connection to fascia or wall connection. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace

4. Spans may be interpolated.
5. To convert spans to 'C' and 'D' exposure categories see exposure multipliers and example.
Table 1.5.2 120 E. Eagle Metal Distributors, Inc.
Allowable Spans for Miscellaneous Framing Beams a
One End of Beam Attached to Host Structure
for Areas with Wind Loads of 110 & 120 M.P.H., Exposure "B" and Latituc
Uniform Load = 4 #5F, a Point Load of 300 #3F over (1) linear ft. is also considered
Aluminum Alloy 6061 T-6 page 1-ii.

les Below 30°-30'-00" North (Jacksonville, FL) s Supporting Screen Roof Frame Members

	I					Indut	Indutary Load Width	Width					100	
Single Self-Mating	10-0	14'-0"	18'-0"	22'-0"	26'-0"	_	30'-0" 34'-0"	4"-0"	38'-0"	42"-0"	۲	46'-0"	50'-0"	54.0"
Beams			Allowat	le Span 'L	.' / Point	Load (P)	or Unifo	rm Load	(U), be	nding (b)	defle	tion (d	-1	-
2" x 4" x 0.045 x 0.088"	12-11"	12'-11"	P 12-2"	b 11'-0"	b 10:-2*	9'-5"	b U 8:	, O,	8'-5" U	7-11	U 7-7"	7.0	7:4"	7-0
2" x 5" x 0.050" x 0.116"	15'-9"	d 15-9"	14'-8"	b 13'-4"	b 12:-3*	b C 11'5"		φ. σ.⊂	10'-1" U	8-7-	9'-2"	7 (8'-6"
2" x 6" x 0.050" x 0.120"	18'-5"	18'-3"	b 16-1-	b 14-7-	b 13'-5"	b 12'-6"		o C	11:1:	10'-7"	10:-1		-	9.4.
2" x 7" x 0.055" x 0.120"	20'-11"	19'-10"	b 17-6"	b 15-10"	b 14-7	b 13:7		ъ С	12-1-	1.6.	10:-11-	7 =		10'-1-
2" x 8" x 0.070" x 0.224"	25'-4" d	25'-4"	24'-11"	b 22-7	b 20'-9"	b 18'-4"	b 18-2	o C	17'-2" U	16'-4"	15'-8"	7 C	-	14-5-
2" x 9" x 0.070" x 0.204"	27'-3"	27-3" d	25'-9"	23'-3" 6	21'-5"	11-161 q	b 18:-9	a C	17'-9" U	16'-10"	16'-1"	70		14'-10"
2" x 9" x 0.082" x 0.326"	29-3- d	29'-3" P	29-3" F	27'-	25'-11"	U 24'-5"	U 22-11-	3 C	21:9"	20'-8"	19'-9"	FC	-	18:-3"
2" x 10" x 0.090" x 0.374"	34'-2" d	34'-2" d	34-2	31-11-	30-3	U 28'-10"	U 27-8	7 C	26:-2"	24'-10"	23'-9"		C	21'-11- U
2" x 4" x 0.045 x 0.088" 2" x 5" x 0.050" x 0.116" 2" x 5" x 0.050" x 0.120" 2" x 7" x 0.055" x 0.120" 2" x 7" x 0.055" x 0.120" 2" x 8" x 0.070" x 0.224" 2" x 8" x 0.070" x 0.236" 2" x 9" x 0.070" x 0.374" 2" x 10" x 0.090" x 0.374"		15-9° 15-9° 18-3° 19-10° 25-4° 29-3° 29-3° 34-2°	900000000000000000000000000000000000000	15-1 227-2	0° U 10°.2° 4° U 12°.3° 7° U 13°.5° 10° U 14°.7° 10° U 20°.9° 10° U 20°.0° 10° U 20° U 2	Load (P) or L b 9:5* U c 11:5* U c 1	or Uniform Lo. U 8-10- U b 10-8- b U 11-9- U U 12-9- b U 18-9- U U 18-9- U U 12-11- U U 18-9- U U 12-11- U U 18-9- U	8. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	8-5 b 00-1 b 11-1 b 2-1 b 7-2 b 1-9 b	7-11* 9-7- 9-7- 10-7- 11-6- 11-6- 16-10- 16-10- 16-10- 20-8- 24-10- 24-10-	b), defie	9. 9. 1. 5. 5. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	7'-4" U 8'-10" U 9'-8" U 10'-6" U 10'-6" U 10'-6" U 15'-5" U 15'-5" U 15'-5" U	+ 6 4 + 1

FOR PERMIT PURPOSES INSTRUCTIONS

To: Plans Examiners and Inspectors,

These identification instructions are provided to contractors for permit purposes. The pict our unique "raised" external identification mark (Eagle 6061 m) and its location next to the signify our 6061 alloy extrusions. It is ultimately the purchaser's / contractor's responsibility proper alloy is used in conjunction with the engineering selected for construction. We are identification mark to simplify identification when using our 6061 Alloy products. the spline groove, to ibility to ensure that the

A separate signed and sealed certification letter from purchased. This should be displayed on site for review at final inspection.

The inspector should look for the identification mark engineering.

EAGLE 6061 I.D. DIE MARK

i. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040°.
2. Using soreen panel width W select upright length H;
3. Above heights do not include length of knee brace. Add vertical distance from upright to center of brace to beam connection to the above spans for rotal beam spans.
4. Sile apportific explainesting required for pool enclosures over 30° in mean roof height.
5. Height is to be measured from center of beam and upright connection to fascia or wall connection.
6. Chair raties of 2° x 2° x 0.044° min. and set @ 35° in height are designed to be residential upradrate provided they reached with min. (3) aft 0x 1-127 S.M.S. Into the acrew beases and do not exceed 6°-0° in span.
Spans may be inflamorabet.
5. Spans may be inflamorabet.
5. Spans may be inflamorabet.

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ALUMINUM STRUCTURES DESIGN MANUAL SCREEN ENCLOSURES 6061-T6 Alloy Frame Members - 110 MPH Zone

2004 FBC W/ 2006 SUPPLEMENTS 2006 EDITION

FAGLE METAL DISTRIBUTORS, INC. ♦ THE FREEDOM OF CHOICE ♦ 603-B W. LANIXTRIBIT ROAD, ORLANIXI, FL 32824 • TEL:407-367-9688 • FAX:407-367-9684

Email: lebpe@bellsouth.net NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF LAWRENCE E. BENNETT, P.E. Wind Zone Screw Size 90 MPH #10 100 MPH #10 110 MPH #10 120 MPH #10 130 MPH #12 Table 1.8 Brace Length*

Extrusion	Anchoring System	
O'-2'-0'	Z' × 0.044"	Z' + Channel With (3) #10 × 1/2' each leg of channel
To 3'-0'	Z' × 3' × 0.045"	Z' + Channel With (3) #10 × 1/2' each leg of channel
Up to 6'-0'	Z' × 4' × 0.044" × 0.100"	Z' + Channel With (4) #10 × 1/2' each leg of channel
Up to 6'-0'	Z' × 4' × 0.044" × 0.100"	Z' + Channel With (4) #10 × 1/2' each leg of channel
Knee brace length shall be the horizontal and vertical length @ a 45" angle from the center of the onnection to the face of the beam or upright. Table 1.7 For required knee braces greater than 4-9" contact engineer for specifications and details. Cantilever beam detail shown on page 1-40 shall be used for transom wall to host shucture tachment when knee brace length exceeds 6-70. The side wall upright shall have a minimum beam size as shown above, le., a 2" x 4" upright shall have a 2" x 3" beam.		
For minimum girt size read upright size as a beam and purint size is minimum girt size. (i.e. 2" x 9" x 0.072" x 0.224" s.m.b. w/
"x 6" x 0.050 x 0.150" s.m.b. upright requires a 2" x 3" x 0.045" girt/ chair rail.)
All connection shall use a full lap cut. Connection of 2" x 6" to 2" x 4" shall use a full lap cut or 1/16" gusset plate.

Connection mapfice connections the number of screws shown is the total for each splice with 1/2 the screws on each side of the cut. The number of screws is based on the maximum allowable moment of the beam.

The number of screws is based on the maximum allowable moment of the beam.

The number of deck anchors is based on RAWL R Tapper allowable koad data for 2,500 psi concrete and f or equal anchors may rused. The number shown is the total use 1/2 per side.

Hollow splice connections can be made provided the connection is approved by the engineer.

If a larger than minimum upright is used the number of screws is the same for each splice with 1/2 the screws on each side of each. 1.082" wall thickness, 0.310" flange thickness (1) Stitching screw at 16" O.C. max. Innection Example: 2" x 7" beam & 2" x 4" at beam & gusset plate, (14) #8 x 1/2" sms & upright & gusset plate (14) #8 x 1/2" sms ea. side of beam & upright. K-Bracing Fastening Schedule Number of #10 x 3/4" S.M.S. Required

Corner Post | Diagonals (K) | Infermediate | Corner Post | Plate to |

@ Top | per End | Post @ Chair Rail | @ Bottom | Sole Plate Minimum Upright Sizes and Number of Screws for Connection of Roof Beams To Wall Uprights or Beam Splicing Minimum Size Screen Enclosure Knee Braces and Anchoring Required
Aluminum 6063 T-6 Ining number of s.m.s. for the side wall K-bracing.
Ining number of s.m.s. for the front and I or back wall K-bracing.

> 2×8 2×12 2x12

Maximum Overhang for Rafter / Truss Talls when Connected to Screen Roof

2x4

2x8

2x12

ing (b) or deflection (d) 2×10

For overhangs with spans that exceed those listed above site specific engineering is required.
 If truss bottom cord extends more than 24° over the wall site specific engineering is required.
 To convert from exposure 'B' spans to 'C' or 'D' exposure spans see multipliers and example example:
 Example:
 For a pool inclosure with 30° max, beam span, in a 123 MPH wind zone, 'B' exposure. For 2 x 6 rafter I russ the max overhand from the wall of the host structure to the sub-fascia is 3-4°.
 To convert from exposure 'B' spans to 'C' or 'D' exposure spans see multipliers and example on page 1ii.

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ALUMINUM STRUCTURES DESIGN MANUAL SCREEN ENCLOSURES SECTION 1 TABLES

> 2004 FBC W/ 2006 SUPPLEMENTS 2006 EDITION

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